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Attorney Docket No. 51833

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Beica et al.

U.S.S.N.: 10/816,627

Art Unit: 2812

FILED: April 2, 2004

Examiner: Not Yet Assigned

FOR: ELECTROPLATING COMPOSITIONS AND METHODS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on -

10/27/2004

By:

Deanna M. Rivernider

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Examiner are listed on the PTO-1449 form, attached hereto. The documents were not previously cited.

II. COPIES

Submitted herewith is a legible copy of (i) non-patent literature and each foreign patent or English abstract of a foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

Pursuant to 37 C.F.R. 1.98(a), Applicant is not required to furnish copies of the cited U.S. patents or patent application publications for all U.S. national patent applications filed after June 30, 2003.

III. CONCISE EXPLANATION OF THE RELEVANCE

All of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

FEES

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)

(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.
- c. ☒ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):

(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

- a. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. . § 1.17(p).
or
- b. ☐ See the certification below. No fee is required.

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby certifies that

- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

☐

Enclosed please find a check in the amount of \$_____ for the above indicated fee.

☐

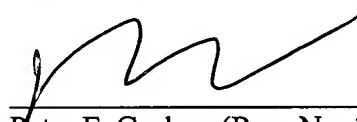
Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee. A triplicate copy of this paper is attached.

☒

No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,



Peter F. Corless (Reg. No. 33,860)
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, MA 02205
(617) 439-4444

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO.	SERIAL NO.
	51833	10/816,627
	APPLICANT(S): Beica et al.	
	FILING DATE:	ART UNIT:
	04/02/2004	2812

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR
	AA	4,440,608	04/03/1984	Opaskar et al.			
	AB	5,646,068	07/08/1997	Wilson et al.			
	AC	5,854,514	12/29/1998	Roldan et al.			
	AD	5,990,564	11/23/1999	Degani et al.			
	AE	6,005,292	12/21/1999	Roldan et al.			
	AF	6,099,713	08/08/2000	Yanada et al.			
	AG	6,107,180	08/22/2000	Munroe et al.			
	AH	6,127,253	10/03/2000	Roldan et al.			
	AI	6,224,690	05/01/2001	Andricacos et al.			
	AJ	6,436,269	08/20/2002	Opaskar et al.			
	AK	6,436,730	08/20/2002	Melton et al.			
	AL	6,458,264	10/01/2002	Kanae et al.			
	AM	6,476,494	11/05/2002	Hur et al.			
	AN	6,527,840	03/04/2003	Igarashi et al.			
	AO	6,607,653	08/19/2003	Nishikawa et al.			
	AP	2002/0127847 A1	09/12/2002	Alling et al.			
	AQ	2003/024822 A1	02/06/2003	Steinius et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO
	BA	1 001 054	05/17/2000	Europe			
	BB	0 854 206	08/16/2001	Europe			
	BC	9-143786	06/03/1997	Japan			
	BD	WO 01/02627	01/11/2001	International			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	Karim et al.; "Lead-Free Solder Bump Technologies for Flip-Chip Packaging Applications"; 2001 International Symposium on Microelectronics; pp. 581-583.
CB	Patent Abstracts of Japan, Vol. 2000, No. 23; 10 February 2001 & JP 2001 164396 A (Ishihara Chem. Co. Ltd.; Daiwa Kasei Kenkyusho: KK).

Examiner:

Date: